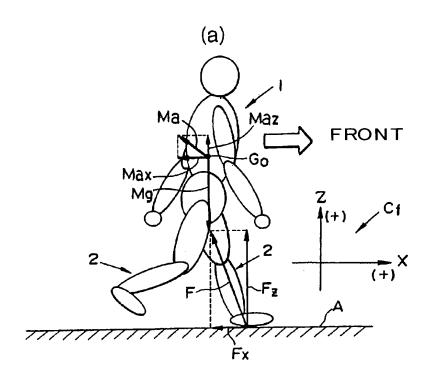
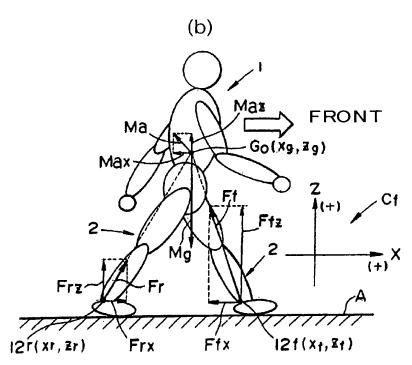
Express Mail Label No. EV 338301119US Title: Method and Processor for Obtaining Moments

and Torques in a Biped Walking System Inventor(s): Masakazu Kawai, et al. Atty. Docket No.: 20911-08172 Sheet 1 of 14

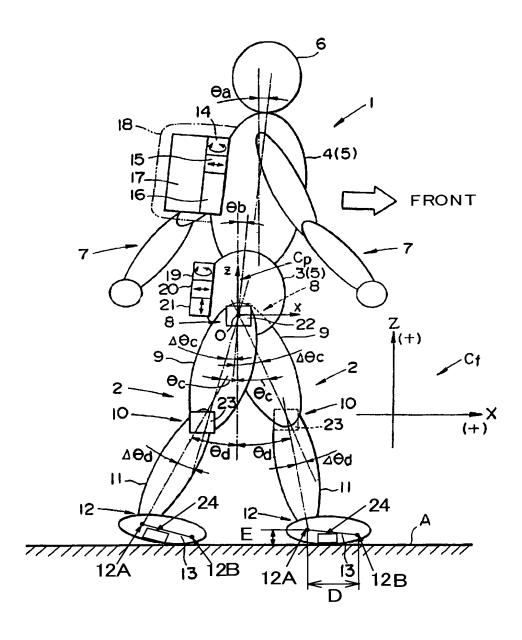
FIG. 1



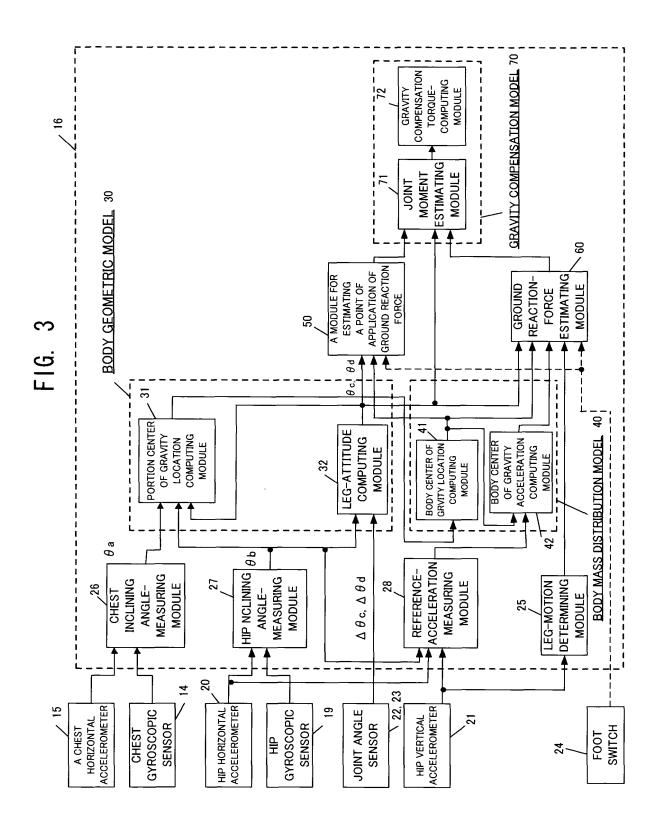


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FIG. 2



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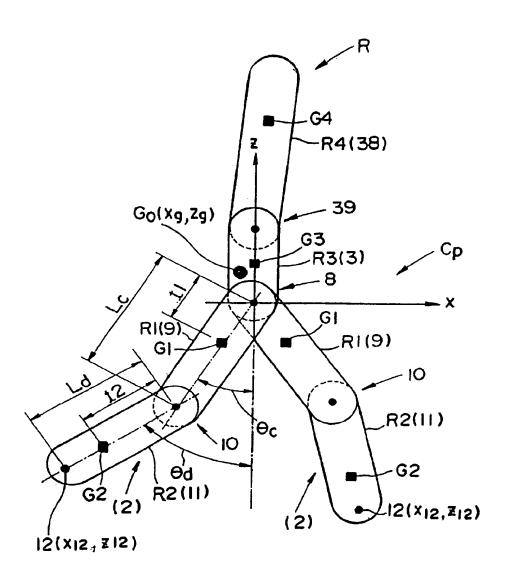


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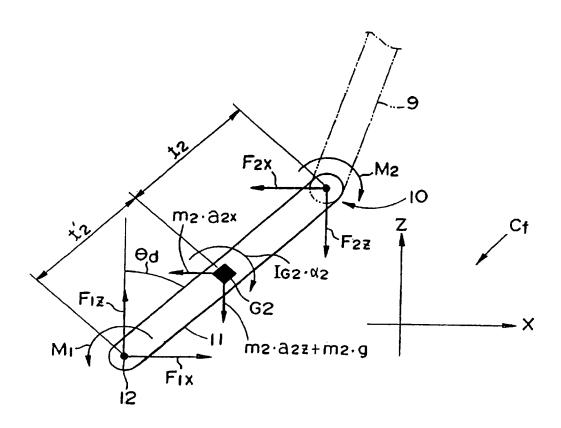
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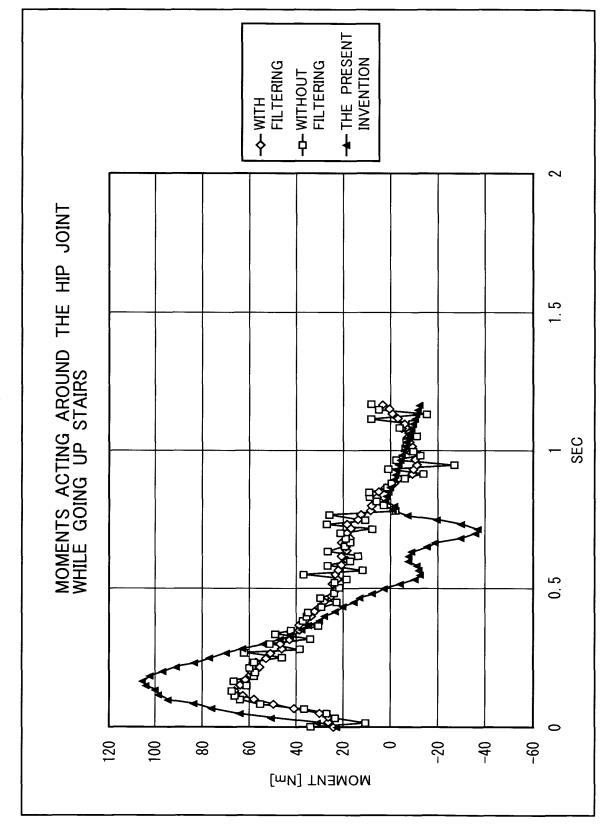
FIG. 4



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FIG. 5

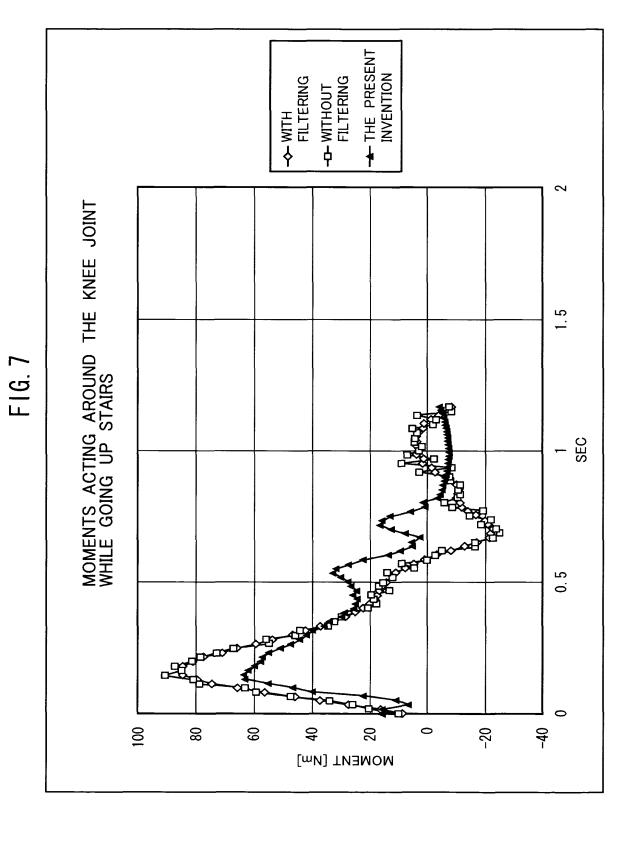




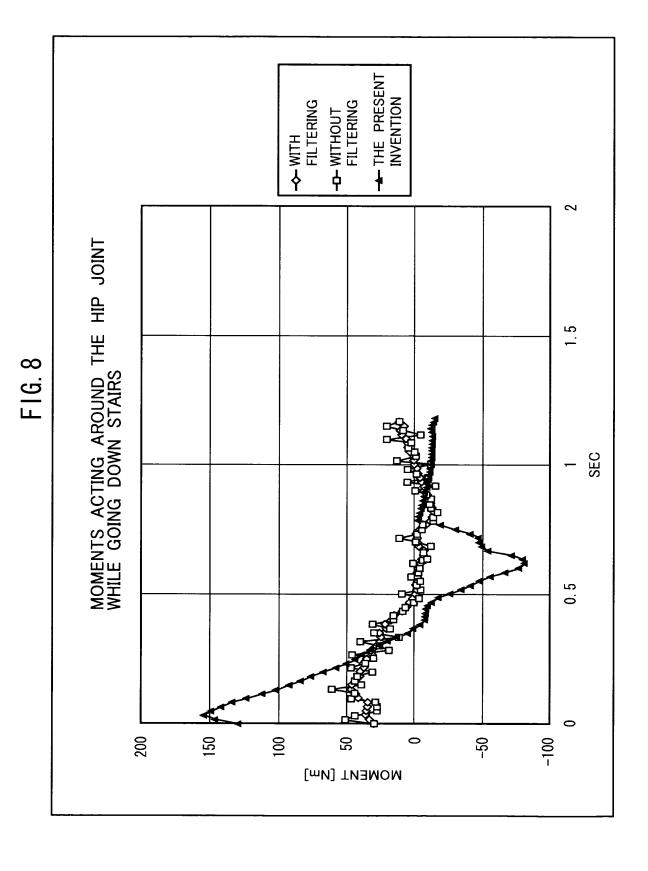
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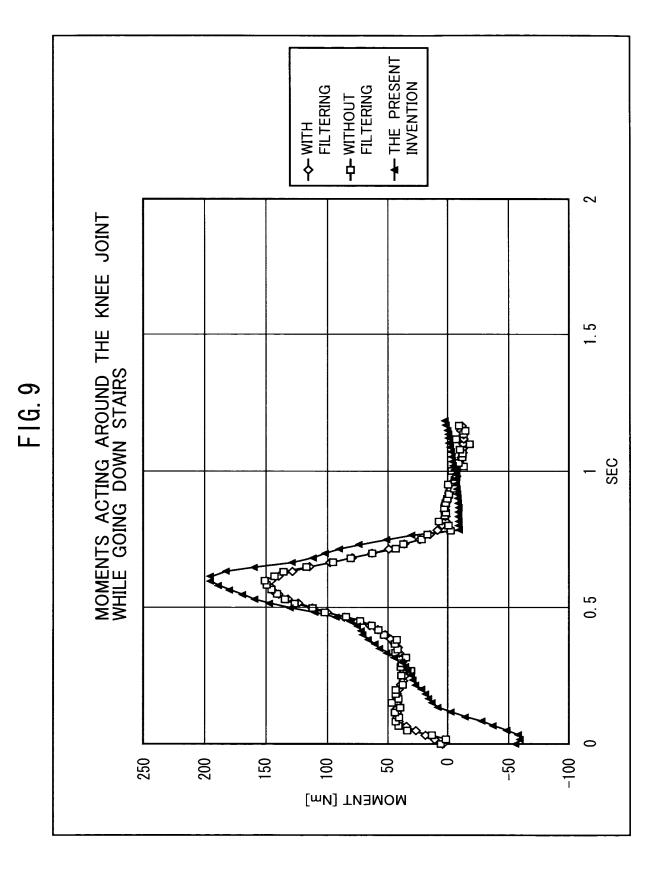
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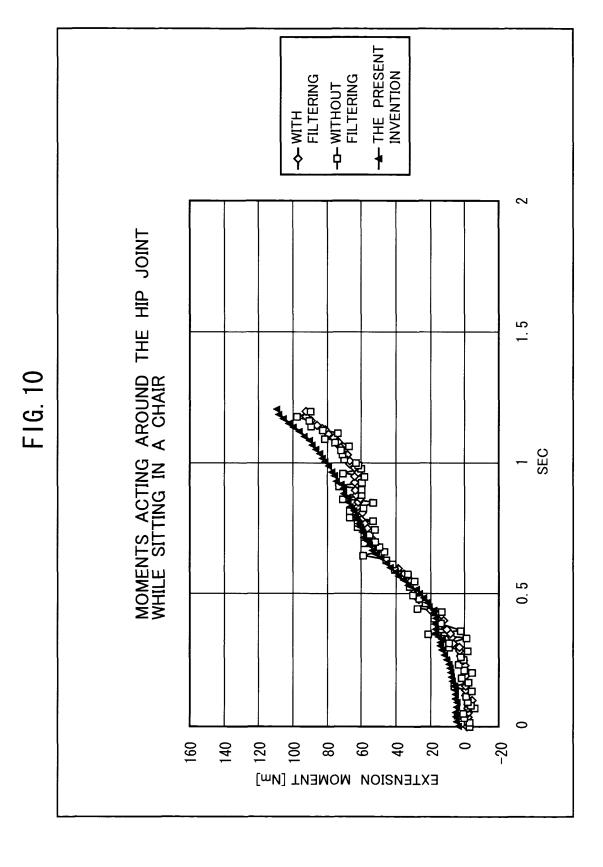
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2 Ö



160

140

120

100

8

9

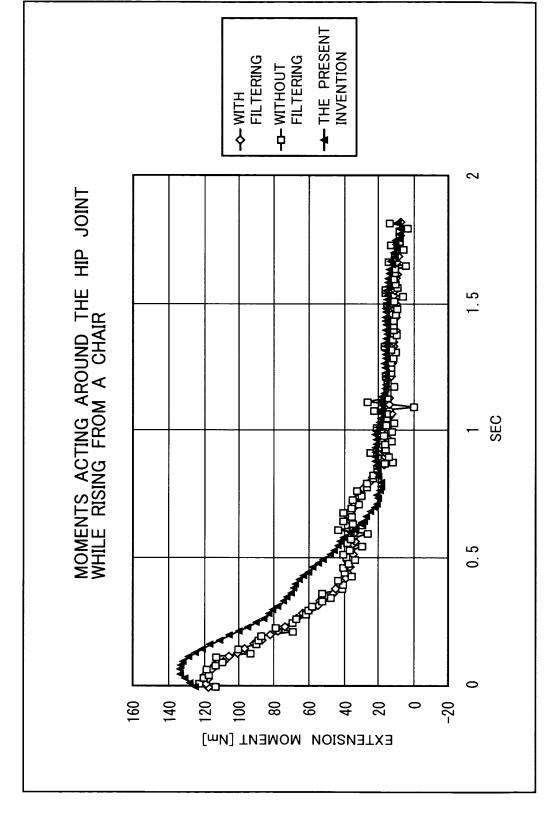
EXTENSION MOMENT $[N^{\text{m}}]$

40

Express Mail Label No. EV 338301119US

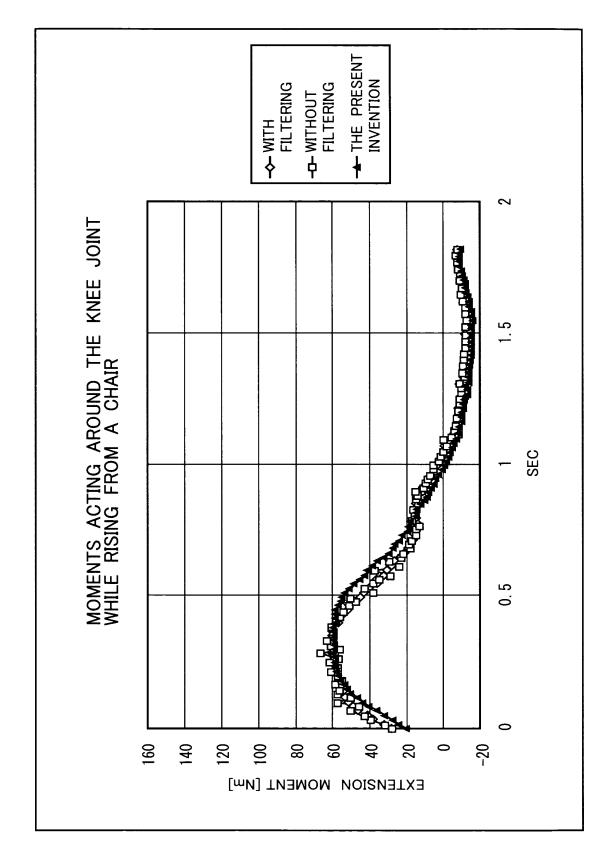
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⁻16. 13

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